

Chapter 1 – INTRODUCTION TO PROJECT

1.1 ABSTRACT

This **micro project in C++ Unit Converter** is a console application without graphic developed using the C++ programming language. Here we have used switch case.

Here, you can perform functions such as meter to centimeter etc. File handling has been extensively used in this project for almost all functions. So, this project can definitely guide you to understand C++ micro projects in a better way.

The source code is organized well, and it has multiple comment lines to help you understand the project better. The whole code is around 70 lines, so I haven't displayed it here. You can directly download the source code plus application file from the download link.

For unit converter, this project considers four options –case:1, case:2, case:3, case:4 .These options work simultaneously with the operations mentioned above.

1.2 RATIONALE

By building this project, you will comprehend the basics of the input and output course. Furthermore, this C++ project structure will help you in knowing about the system of file management. The program designed by you will be ready to accumulate all the students' data and information correctly. This data can be any information related to the student, their personal information, academic records, roll number, etc. This project will teach you how to tackle wrong inputs.

1.3 COURSE OUTCOMES ADDRESSED

- i. Develop C++ program using switch case.
- ii. Develop C++ program using Arithmetic operators
- iii. Develop the concept of execution.

Chapter 3 – PROJECT DETAILS

3.1 ACTUAL METHODOLOGY FOLLOWED

- Group of 4 team members.
- Each one has assigned clear responsibility.
- During the available working hours each team member performed his work.
- Project work is divided into 3 section
 - 1.Collect information
 - 2.Coding
 - 3.report

3.2 ACTUAL RESOURCES REQUIRED

Sr. No.	Name of Resource/Material	Specifications	Quantity	Remarks
1.	Software	Windows 11 Vs code	-	-
2.	Internet Lab	-	-	-
3.	Hardware	Intel(R) Core i3 4.0 GHZ or Higher Processor, Printer	-	-